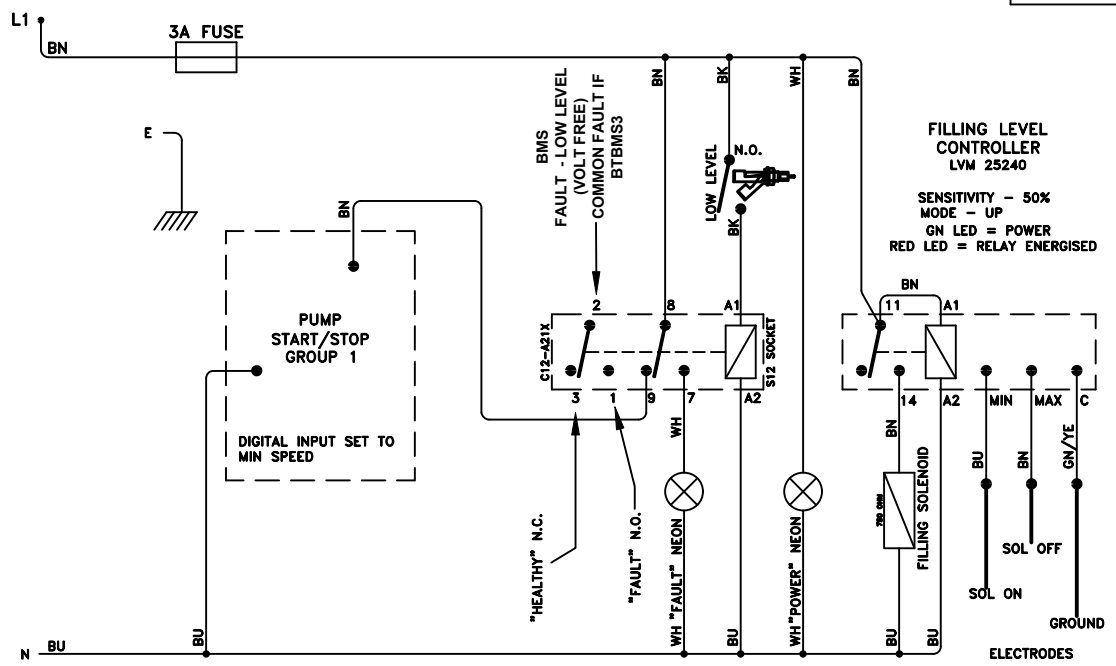
DATE
TESTED BY



Arrow Valves

WIRING DIAGRAM – ARROW STEALTH BOOSTER

arrowvalves.co.uk
AM235D 09/02/26

OPERATION

CISTERN FILLING IS VIA NORMALLY CLOSED SOLENOID VALVE CONTROLLED BY A LEVEL CONTROLLER. THE RELAY ENERGISED LED ILLUMINATES WHEN THE SOLENOID IS POWERED. THE SOLENOID OPENS ONCE THE WATER HAS DROPPED BELOW THE "SOL ON" ELECTRODE AND CLOSES ONCE THE "SOL OFF" ELECTRODE IS SUBMERGED.

THE PUMP IS CONTROLLED BY A PRESSURE TRANSDUCER AND LOW LEVEL FLOAT SWITCH. IF THE LOW LEVEL SWITCH OPENS DUE TO LOW LEVEL, THE PUMP WILL NOT START. IF THE PUMP IS RUNNING WHEN LOW LEVEL SWITCH OPENS, THE PUMP CONTINUES TO RUN WHILST FLOW IS DETECTED. ONCE FLOW CEASES, THE PUMP STOPS. THE PUMP RESTARTS ONCE THE LOW LEVEL SWITCH IS CLOSED. ONCE THE PRESSURE VESSEL IS RECHARGED AND NO FLOW DETECTED, THE PUMP RUNS SLOW FOR A PERIOD THEN STOPS.

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Arrow Valves

TITLE: ARROW STEALTH BOOSTER WIRING DIAGRAM

DRN: AL	CHECKED BY:	DATE:	©2026

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MATERIAL: CARD 160 g/sqm	
FINISH: LAMINATED	SCALE: 100%
DRG No: AM235D	DATE: 09/02/26